

HOFNIL-FR 400

(Synthetic Magnesium Hydroxide)

HOFNIL-FR 400 is a high-purity magnesium hydroxide, based on a mineral raw Material. HOFNIL-FR 400 is tailor-made for plastic and elastomer applications and represents a halogen free flame retardant with low smoke emission and high thermal stability up to 340°C. During the composition process no toxic or corrosive gases are generated. It is coated with proprietary formulation for better dispersion.

PRODUCT PROPERTIES

Product Name: HOFNIL-FR 400

Product Code: FR-400

TECHNICAL PARAMETERS		
S. NO.	ITEM	SPECIFICATION
1.	Mg(OH) ₂ (%)	≥ 99.8
2.	Moisture (%) @ 105°C	≤ 0.1
3.	Particle Size (D50) μm	1-2
4.	Loss on Ignition (%) @ 1200°C	NLT 31
5.	Whiteness (%)	≥ 96
6.	Bulk density(g/l)	300-500
7.	Specific surface area(m ² /g)	4-6

Applications of HOFNIL-FR 400:

- **Plastics and Rubber:** Used as a flame retardant.

Advantages of HOFNIL- FR 400:

- **Improved Water Resistance:** Reduced solubility in water, making it suitable for humid environments.
- **Better Compatibility:** Easier to incorporate into different formulations without adversely affecting the material properties.
- **Reduced Smoke and Toxicity:** Lower smoke production and reduced toxicity of combustion products.
- **Non-hygroscopic:** Does not absorb moisture from the environment, enhancing stability.
- **Non-flammable:** Safe to handle and store without risk of ignition.

Shelf-life: 2 years from date of manufacturing.

Packing Size:

20Kg BOPP laminated bag with polythene liner.

Please Note: We are manufacturing various technologies related to flame retardants and their tailor-made blends for many specific applications. We can provide technical assistance, as well, in order to make better HFFR for any kind of substrate or material

For further information, please contact manufacturer:

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